Test Equipment Depot
1-800-517-8431

99 Washington Street
Melrose, MA 02176
Fax 781-665-0780
TestEquipmentDepot.com

Function Generator

GFG-8216A (3MHz)

GFG-8215A (3MHz)

FEATURES

* Frequency Range: 0.3Hz ~ 3MHz
* Waveforms: Sine, Triangle, Square, Ramp, TTL and CMOS Output
* External Voltage Controlled Frequency (VCF) Function
* Duty Cycle Control with Signal Inversion Capability

* Variable DC Offset Control
* Two-Step (-20dBx2) and Variable Attenuator
* Built-In 6 Digit Counter with INT/EXT Function Up to 150MHz / High Resolution(GFG-8216A)

SPECIFICATIONS

MAIN

Frequency Range	0.3Hz ~ 3MHz (7 Range)
Amplitude	> 10Vpp (into 50Ω load)
Impedance	50Ω $\pm$10%
Attenuator	-20dB $\pm$ 1dBx2
DC Offset	<-5V ~ >5V (into 50Ω load)
Duty Control	80% : 20% : 80% to 1MHz Continue variable
Display	6 digit LED display
	*GFG-8215A does not have display.
Range Accuracy	$\pm$ 5%+1Hz (at 3 position) for GFG-8215A

SINE WAVE

Distortion	$\leq$ 1%, 0.3Hz ~ 200kHz
Flatness	< 0.3dB, 0.3Hz ~ 300kHz
	< 0.5dB, 300kHz ~ 3MHz

TRIANGLE WAVE

Linear	$\geq$ 98%, 0.3Hz ~ 100kHz
	$\geq$ 95%, 100kHz ~ 3MHz

SQUARE WAVE

Symmetry	$\pm$ 2%, 0.3Hz ~ 100kHz
Rise or Fall Time	$\leq$ 100nS at maximum output (into 50Ω load)

CMOS OUTPUT

Level	4Vpp $\pm$1Vpp ~ 14.5Vpp$\pm$0.5Vpp adjustable
Rise or Fall Time	$\leq$ 120nS

TTL OUTPUT

Level	$\geq$ 3Vpp
Fan Out	20 TTL load
Rise or Fall Time	$\leq$ 25nS

VCF

Input Voltage	0V ~ 10V $\pm$1V (100 : 1)
Input Impedance	10kΩ $\pm$10%

FREQUENCY COUNTER(For GFG-8216A Only)

INT./EXT.	Switch selector
Range	0.3Hz ~ 3MHz (5Hz ~ 150MHz EXT.)
Accuracy	Time base accuracy $\pm$ 1 count
Time Base	$\pm$ 20ppm(23°C$\pm$5°C)after 30 minutes warm up
Resolution	The maximum resolution is 100nHz for 1Hz and 1Hz for 100MHz
Input Impedance	1MΩ // 150pF
Sensitivity	$\leq$ 35mVrms (5Hz ~ 100MHz)
	$\leq$ 45mVrms (100MHz ~ 150MHz)

POWER SOURCE
AC115V/230V $\pm$ 15%, 50/60Hz

ACCESSORIES
Instruction manual x 1, Power cord x 1, GTL-101 x 2; GTL-101x1 for GFG-8215A

DIMENSIONS & WEIGHT
251(W) x 91(H) x 291(D)mm, Approx. 2.1kg

ORDERING INFORMATION

GFG-8216A	3MHz Function Generator with 6Digit LED Display
GFG-8215A	3MHz Function Generator